

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/00823

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: G02B 6/124, 5/18, G11B 7/0065

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Results of the Art. 15(5) search results on the Australian Provisional Application No. PS 3284

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: (g02b-005/ic or g02b-006/ic or g11b-007/ic) and (defect? or dislocation?) and interfer+, /ic g11b-007/0065 or g02b-005/18 or g02b-006/124, interferometer? or ((interfer+ or diffraction) and (pattern? or region? or area? or space? or field?)), writ+ or etch+ or lithograph+ or fabricat+ or engrav+, pattern+ or grating? or band+ or phase?, (coheren+ or laser? or (light (W) beam?) or waveform or wavefront?) and (control+ or command+ or direct+ or regulat+ or guid+ or manag+), photo?sensitive or photo?responsive or photo?susceptible or photo(?)induc+ or photo?driven, substrate or surface? or photonic?, resol+ and (spatial or (two dimensional) or ("2" (W) "d")), adaptive or micro?mirror?

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | US 6414780 B1 (D'AGUANNO et al.) 2 July 2002 Whole document, especially column 2, line 37 - column 3, line 33 | |
| A | US 6358653 B1 (TURBERFIELD et al.) 19 March 2002 Whole document, especially column 7, line 59 - column 8, line 7 | |



Further documents are listed in the continuation of Box C



See patent family annex

| | |
|---|--|
| <p>* Special categories of cited documents:</p> | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
8 August 2003

Date of mailing of the international search report

15 AUG 2003

Name and mailing address of the ISA/AU

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| | US 6343167 B1 (SCALORA et al.) 29 January 2002 | |
| A | Whole document, especially column 2, line 8 - column 3, line 43 | |
| | US 6175671 B1 (ROBERTS) 16 January 2001 | |
| A | Whole document, especially column 2, line 59 - column 4, line 3 | |
| | US 6058127 A (JOANNOPOULOS et al.) 2 May 2000 | |
| A | Whole document, especially column 1, line 18 - column 4, line 20 | |
| | US 5907427 A (SCALORA et al.) 25 May 1999 | |
| A | Whole document, especially column 2, line 2 - column 3, line 38 | |
| | US 5784400 A (JOANNOPOULOS et al.) 21 July 1998 | |
| A | Whole document, especially column 1, line 6 - column 6, line 28 | |
| | US 5682401 A (JOANNOPOULOS et al.) 28 October 1997 | |
| A | Whole document, especially column 1, line 14 - column 3, line 36 | |
| | US 5471180 A (BROMMER et al.) 28 November 1995 | |
| A | Whole document, especially column 1, line 45 - column 3, line 15 | |
| | US 5187461 A (BROMMER et al.) 16 February 1993 | |
| A | Whole document, especially column 1, line 39 - column 2, line 43 | |
| | WO 02/12826 A1 (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 14 February 2002 | |
| A | Abstract | |
| | US 2001/0035991 A1 (HOBBS et al.) 1 November 2001 | |
| A | Abstract | |
| | EP 1063570 A2 (SVG LITHOGRAPHY SYSTEMS, INC.) 27 December 2000 | |
| A | Abstract | |
| | US 6396617 B1 (SCALORA) 28 May 2002 | |
| A | Whole document, especially column 2, line 3 - column 3, line 40 | |

INTERNATIONAL SEARCH REPORT

Information of [redacted] family members

International application No.

P [redacted] U03/00823

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | Patent Family Member | | | |
|--|------------|----------------------|------------|----|------------|
| US | 6414780 | AU | 200124459 | WO | 200146725 |
| US | 6358653 | EP | 1005661 | WO | 9909439 |
| US | 6343167 | US | 5907427 | | |
| US | 6175671 | NONE | | | |
| US | 6058127 | WO | 9826316 | | |
| US | 5907427 | US | 6343167 | | |
| US | 5784400 | WO | 9627225 | | |
| US | 5682401 | WO | 9611516 | | |
| US | 5471180 | WO | 9215124 | AU | 14351/92 |
| | | US | 5389943 | US | 5187461 |
| WO | 200212826 | AU | 200183530 | | |
| US | 2001003599 | US | 2001003007 | CA | 2412492 |
| | | WO | 200200274 | US | 2003021825 |
| EP | 1063570 | CA | 2311014 | JP | 2001057337 |
| US | 6396617 | US | 2002135853 | US | 6360012 |
| END OF ANNEX | | | | | |